

FIG. 1

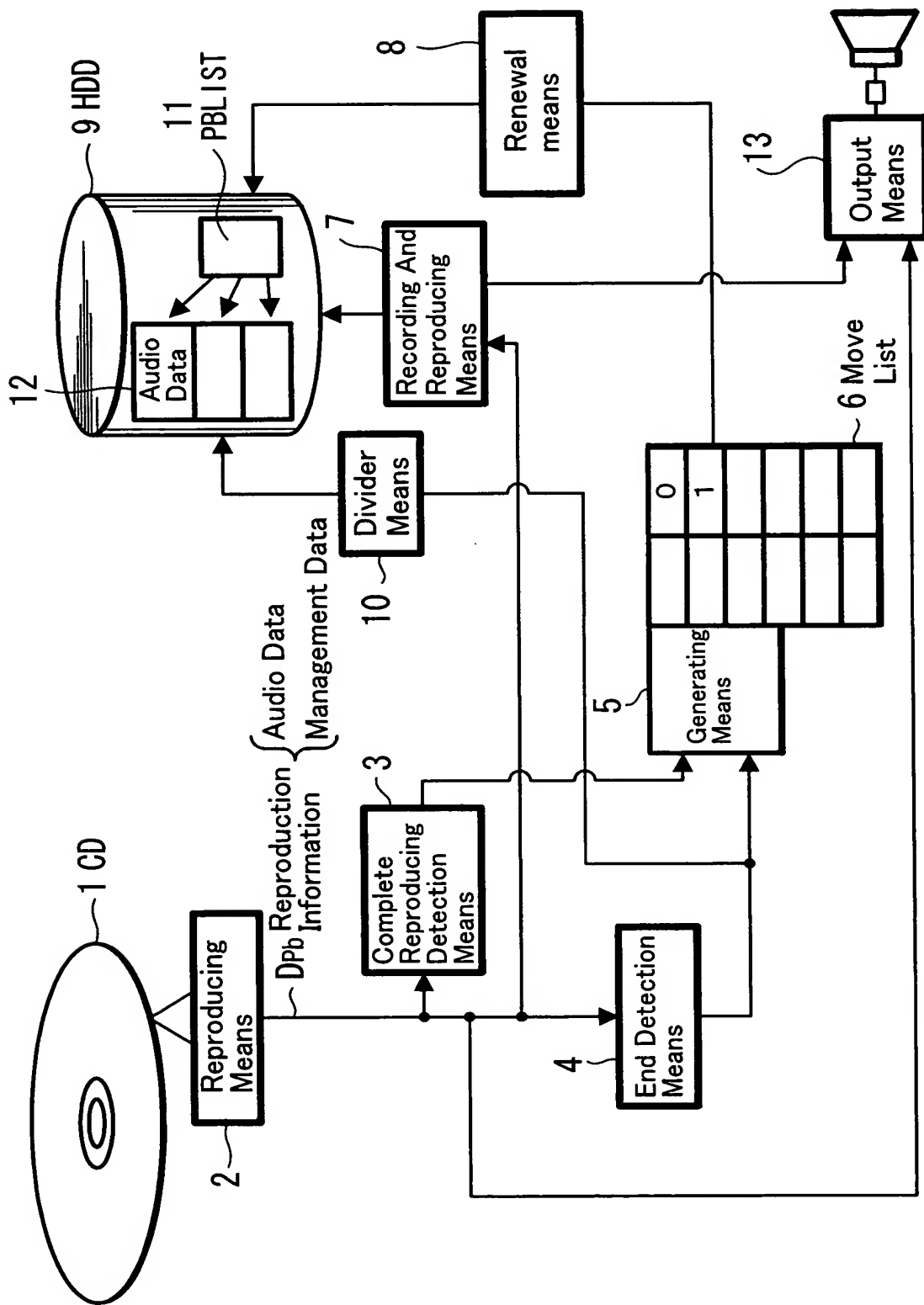


FIG. 2

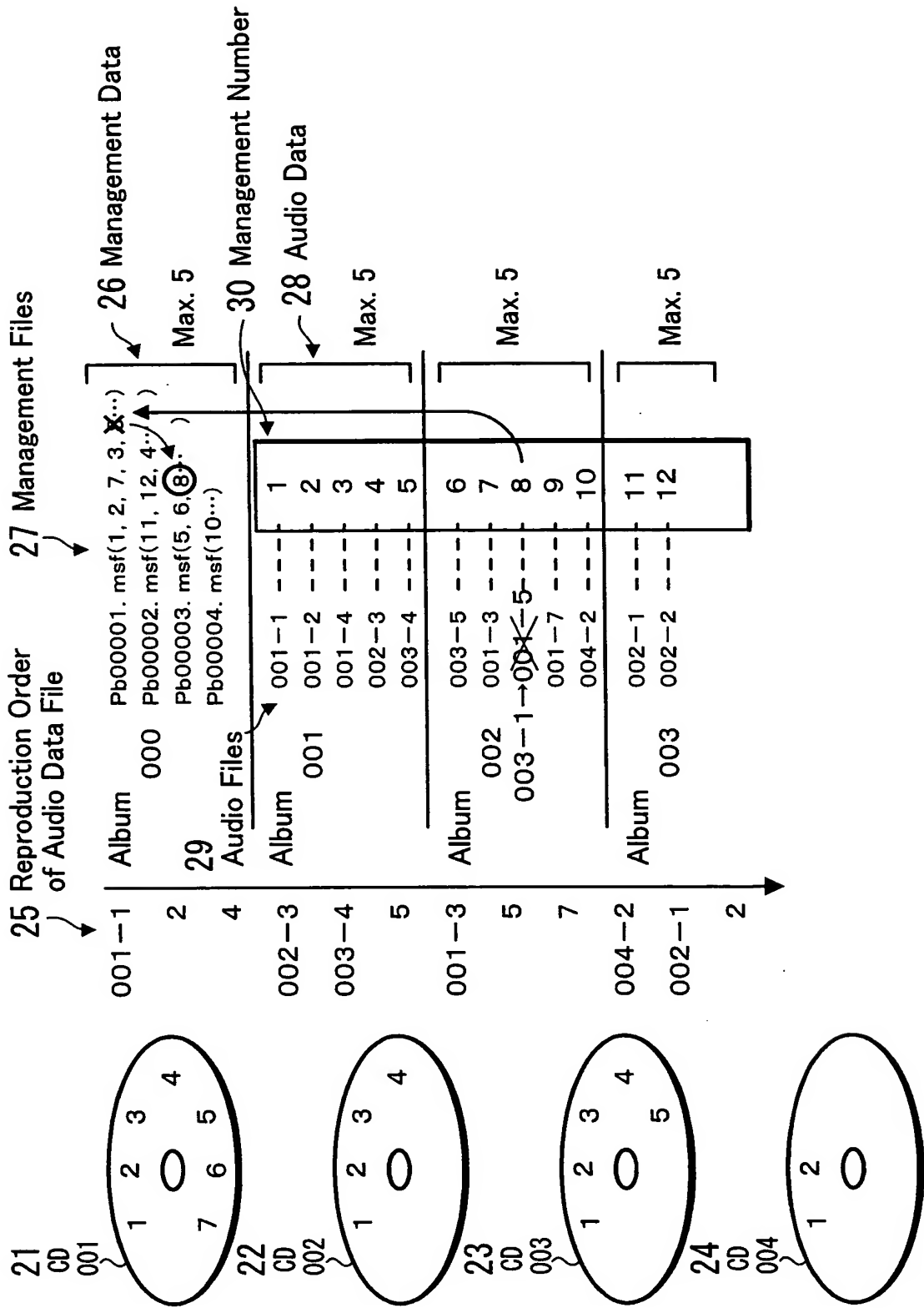


FIG. 3

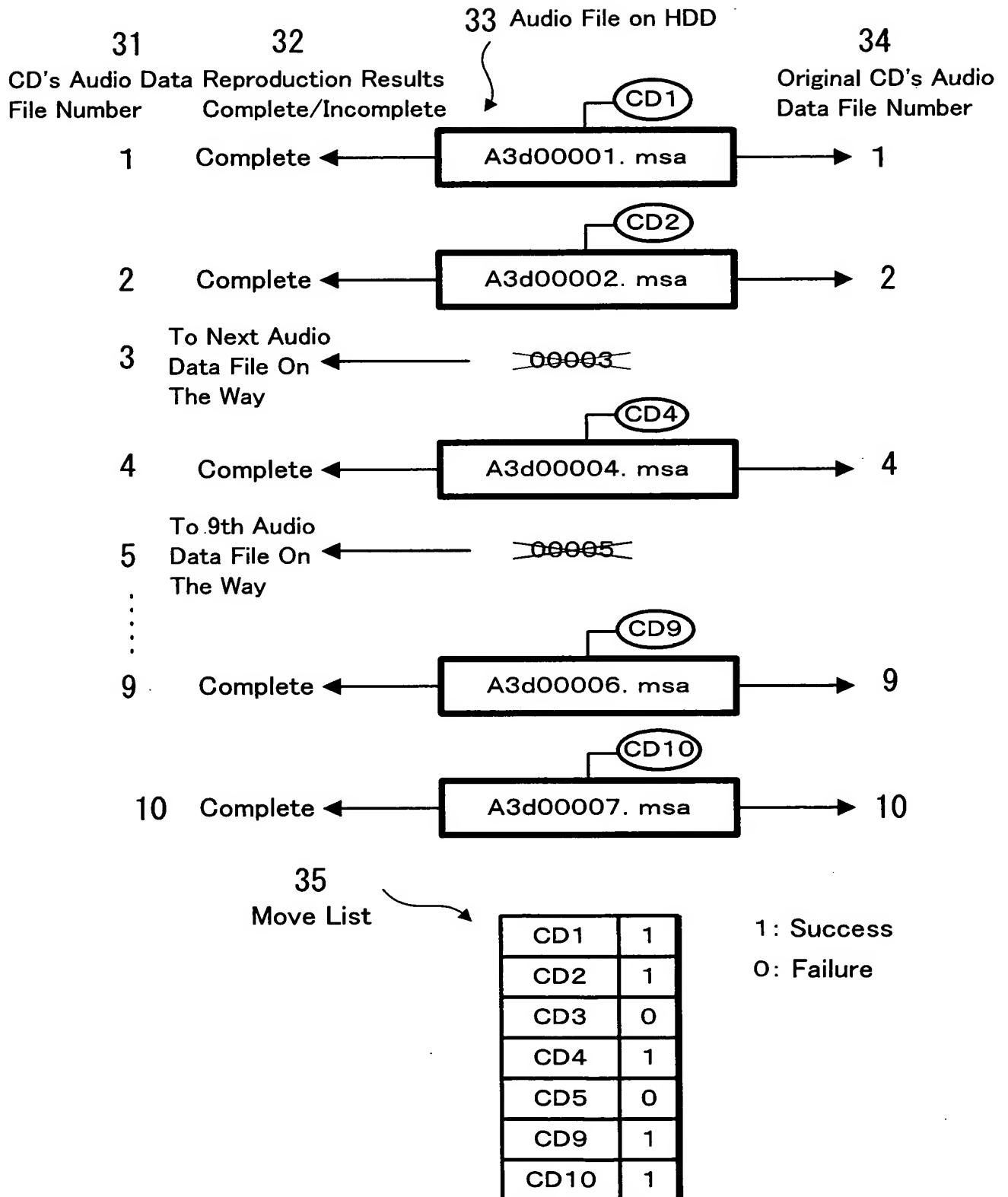


FIG. 4

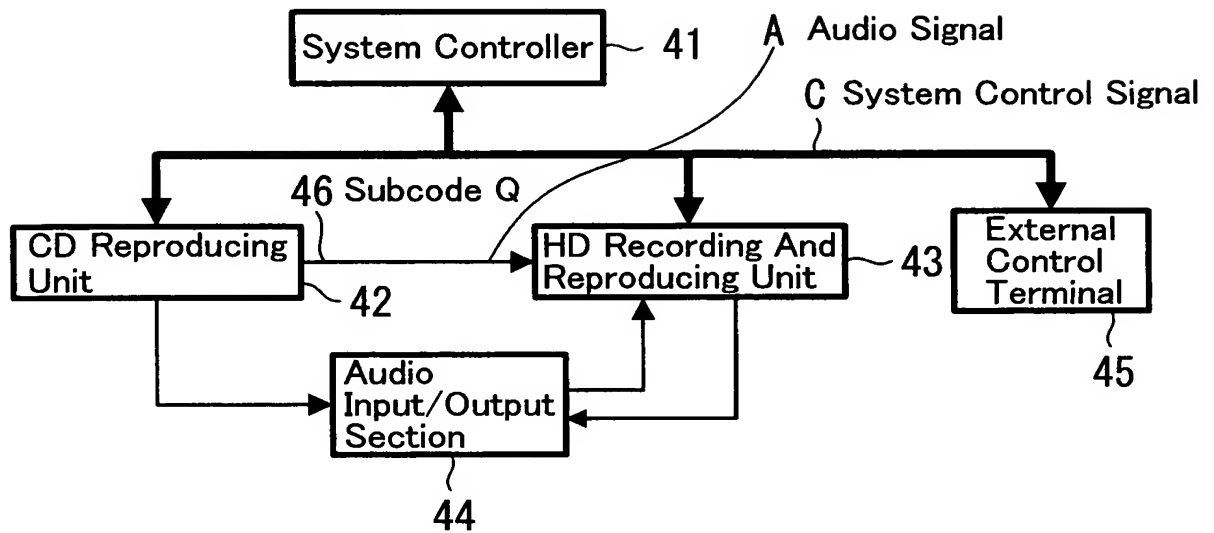


FIG. 5

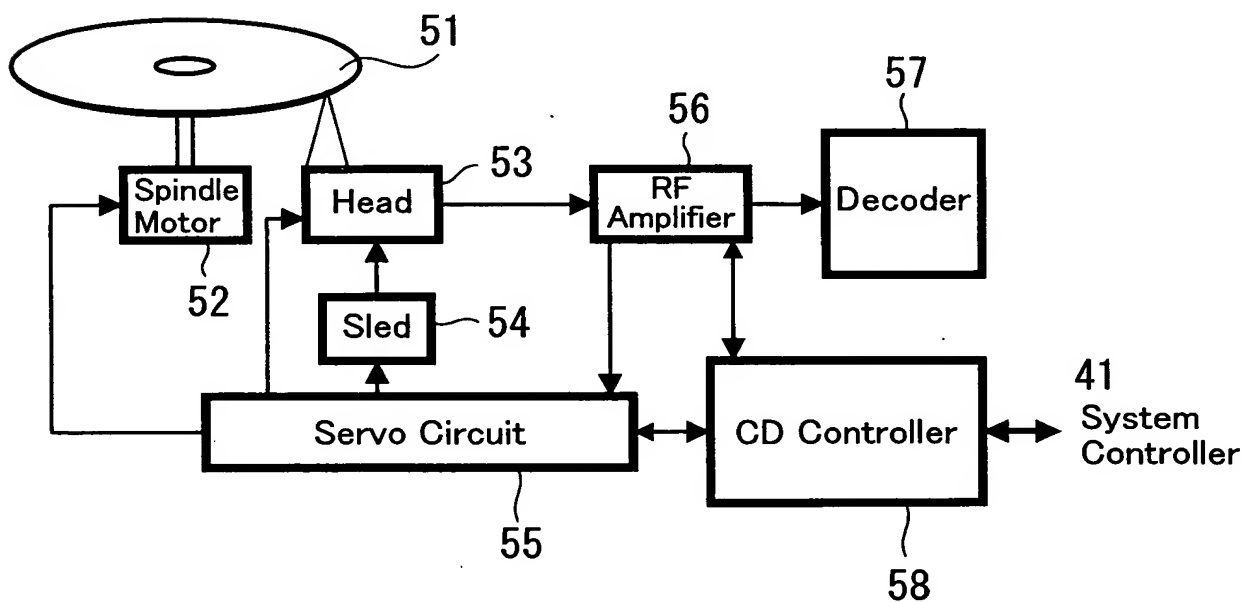


FIG. 6

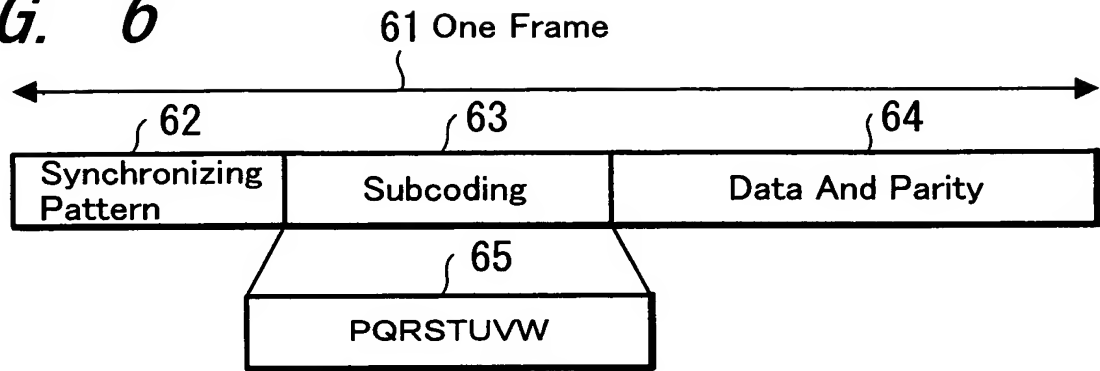


FIG. 7

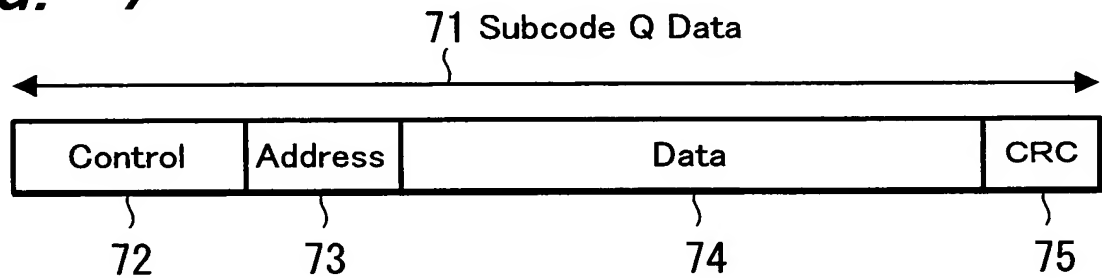


FIG. 8

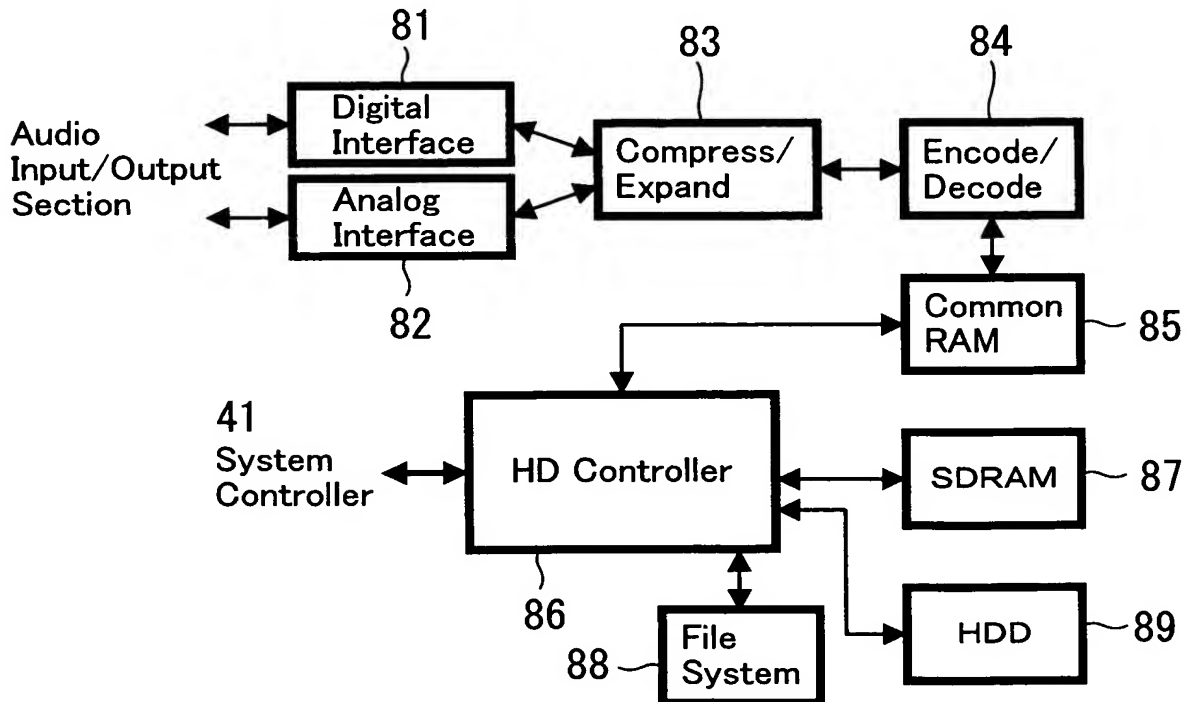


FIG. 9

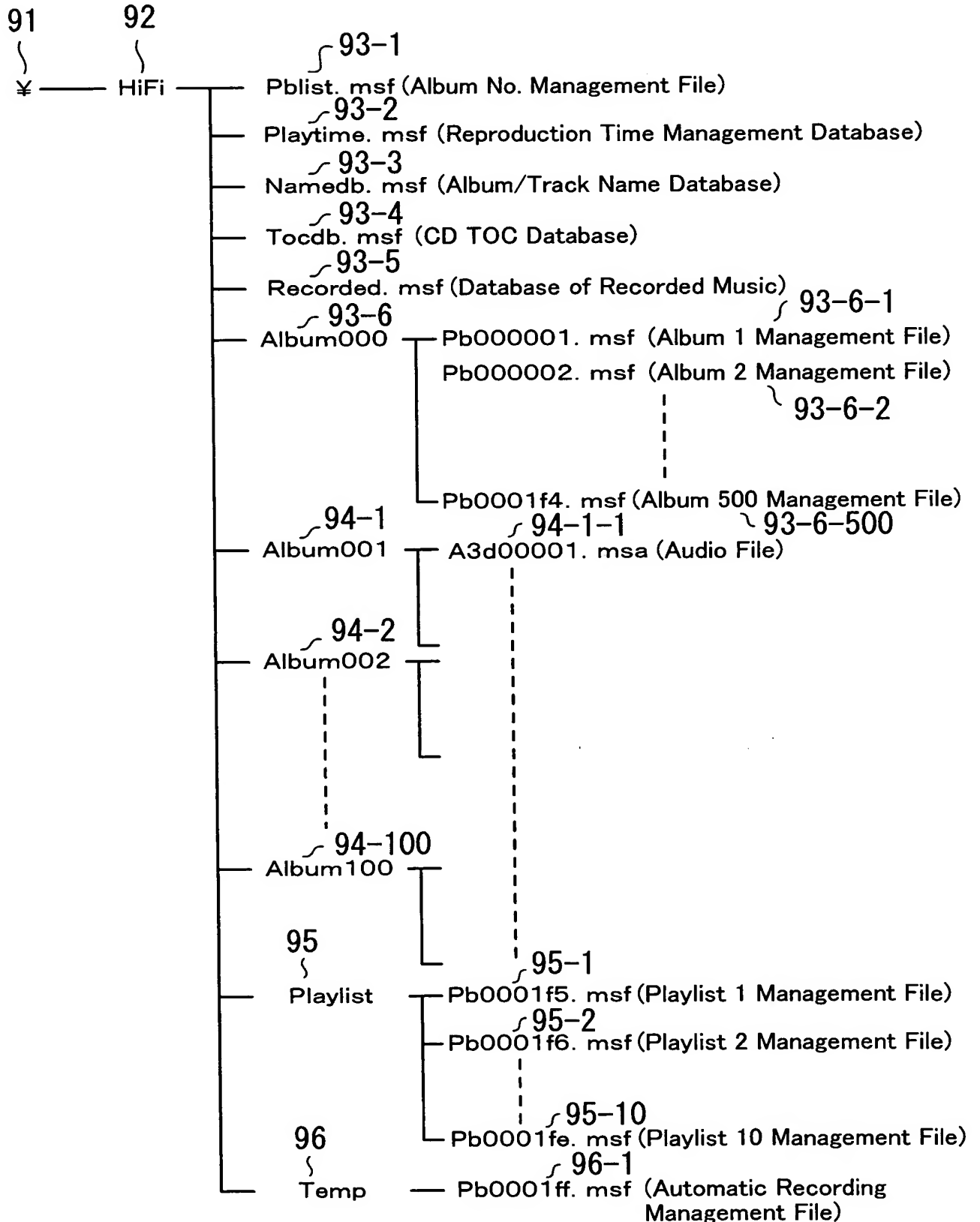


FIG. 10

104 File Number	101 BLKID-TL0		103 T-ALB	102 REVISION	
0x0000					
0x0010			T-ALB		
0x0020					
0x0120					
0x0320					
0x0330					
0x0350	Alb-001	Alb-002	Alb-003	Alb-004	Alb-005
0x0360	Alb-009	Alb-010	Alb-011	Alb-012	Alb-013
				Alb-500	0
					0
0x0740	Alb-505	Alb-506	Alb-507	Alb-508	Alb-509
					Alb-510
0x3ff0	BLKID-TL0			REVISION	

FIG. 11

112-1	112-2	112-3	111-1	111-2	112-4	111-3	
0x0000	BLKID-TLO	Reserved	Mcode	REVISION	Reserved	Reserved	
	SN1C+L	SN2C+L	SINFSIZE	T-TRK	Reserved	Reserved	
0x0020	NM1-S(256)						
0x0120	NM2-S(512)						
							S-YMDhms
0x0350	TRK-001	TRK-002	TRK-003	TRK-004	TRK-005	TRK-006	TRK-007
0x0360	TRK-009	TRK-010	TRK-011	TRK-012	TRK-013	TRK-014	TRK-015
0x0660	TRK-393	TRK-394	TRK-395	TRK-396	TRK-397	TRK-398	TRK-399
0x0670	INF-S(14720)						
0x3ff0	BLKID-TLO	Reserved	Mcode	REVISION	Reserved	Reserved	

113

114

115

File Number

116

117

FIG. 12

122-1	122-2	122-3	122-4	122-5	122-6	122-7
121-1	121-2	121-3				
0x0000	BLKID-HD0	Reserved	Mcode	REVISION	BLOCK SERIAL	
	N1C+L	N2C+L	T-PRT	T-SU	INX	XT
123	NM1(256)					
124	NM2(512)					
127						
0x0340	Reserved					
0x0350						
0x0360			YMDhms-S	YMDhms-E		
0x0370	PRTSIZE		PRTKEY		Reserved	
0x0380			PRTSIZE(0x0388)		PRTKEY	
0x0390					CONNUM-0	
INF(0x0400) Start position of INF differs depending on the number of PRTINF.						
0x3ff0	BLKID-TL0	Reserved	Mcode	Reserved	BLOCK SERIAL	
130						

FIG. 13

133				
131	ANMO		1	
	1	0x0209	ALBUM NAME1	0x0209 ARTIST1
	2	0x0000	0	0x0000 0
	61	0x0209	ALBUM NAME61	0x0209 ARTIST61
	62	0x0209	ALBUM NAME62	0x0209 ARTIST62
	RESERVED			
	(Album Name Block)			
	ANMO		9	
	497	0x0209	ALBUM NAME1	0x0209 ARTIST1
	498	0x0000	0	0x0000 0
	499			
	500	0x0209	ALBUM NAME62	0x0209 ARTIST62
132	RESERVED			
	TNMO		10	
	1	0x0209	TRACK NAME1	0x0209 ARTIST1
	2	0x0000	0	0x0000 0
	61	0x0209	TRACK NAME61	0x0209 ARTIST61
	62	0x0209	TRACK NAME62	0x0209 ARTIST62
	RESERVED			
	Audio-Data-File Name Block			
	TNMO		332	
	19965	0x0209	TRACK NAME19965	0x0209 ARTIST19972
	19966	0x0000	0	0x0000 0
	19999	0x0209	TRACK NAME19999	0x0209 ARTIST19999
	20000	0x0209	TRACK NAME20000	0x0209 ARTIST20000
	RESERVED			

FIG. 14

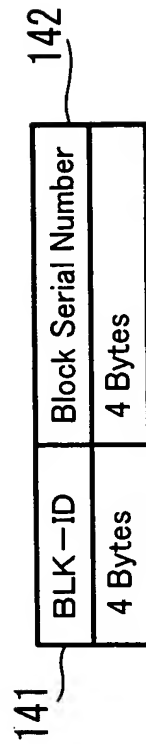
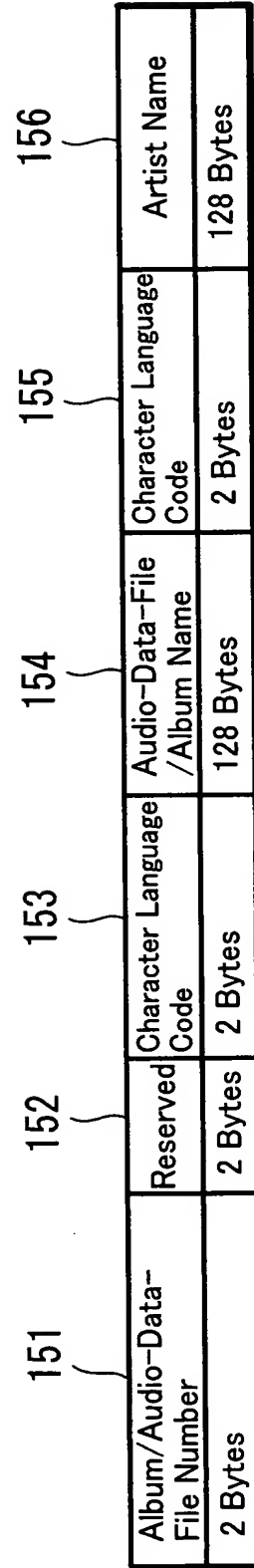


FIG. 15



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FIG. 16

164

161

162

163

TRKO	1			
1	1	10320	1	1
2	1	7740	1	2
3	2	12900	2	1
4	0	0	0	0
1364	0	0	0	0
1365	0	0	0	0
RESERVED				
TRKO	2			
1366	0	0	0	0
2729	0	0	0	0
2730	0	0	0	0
RESERVED				
Block 3~14				
TRKO	15			
19111	0	0	0	0
19999	500	10320	0	0
20000	499	9030	500	1
RESERVED				

FIG. 17

171

172

BLK-ID	Block Serial Number
4 Bytes	4 Bytes

FIG. 18

181	182	183	184	185
Audio-Data-File Number	Album File Number	Audio-Data-File Total SU	TOCDB IDX	TOC TNO
2 Bytes	2 Bytes	4 Bytes	2 Bytes	2 Bytes

FIG. 19

191	BLK Record
192-1	ALBUM TOC Record
192-2	ALBUM TOC Record
192-500	ALBUM TOC Record
193	RESERVED Record

FIG. 20

201	202	203
BLK-ID	Block Serial Number	Numbers of Album
4 Bytes	4 Bytes	4 Bytes

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FIG. 21

211	TOC DB IDX	State of Use	TOC Information	TOC Information
2 Bytes	2 Bytes	4 Bytes	4 Bytes	4 Bytes

FIG. 22

221	Trk No.	AMIN	ASEC	AFRAME
1 Byte	1 Byte	1 Byte	1 Byte	1 Byte

FIG. 23

231	BLK Record
232-1	TOC RECORDED Record
232-2	TOC RECORDED Record
232-500	TOC RECORDED Record
233	RESERVED Record

FIG. 24

FIG. 24

241	242	243
BLK-ID	Block Serial Number	Numbers of Album
4 Bytes	4 Bytes	4 Bytes

FIG. 25

251	252	253	254
RECORDED DB IDX	TOC DB IDX	Album Number	Recorded Flag
2 Bytes	2 Bytes	2 Bytes	101 Bytes

FIG. 26

261	262	263-1	263-2	263-99
FTNO	LTNO	Tr1	Tr2	...
1 Byte	1 Byte	1 Byte	1 Byte	1 Byte

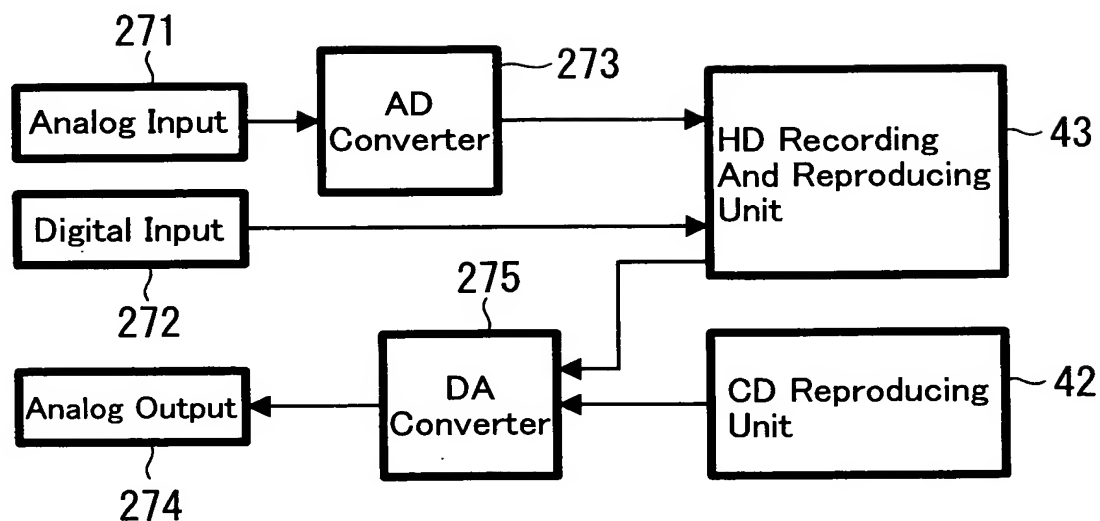
FIG. 27

FIG. 28

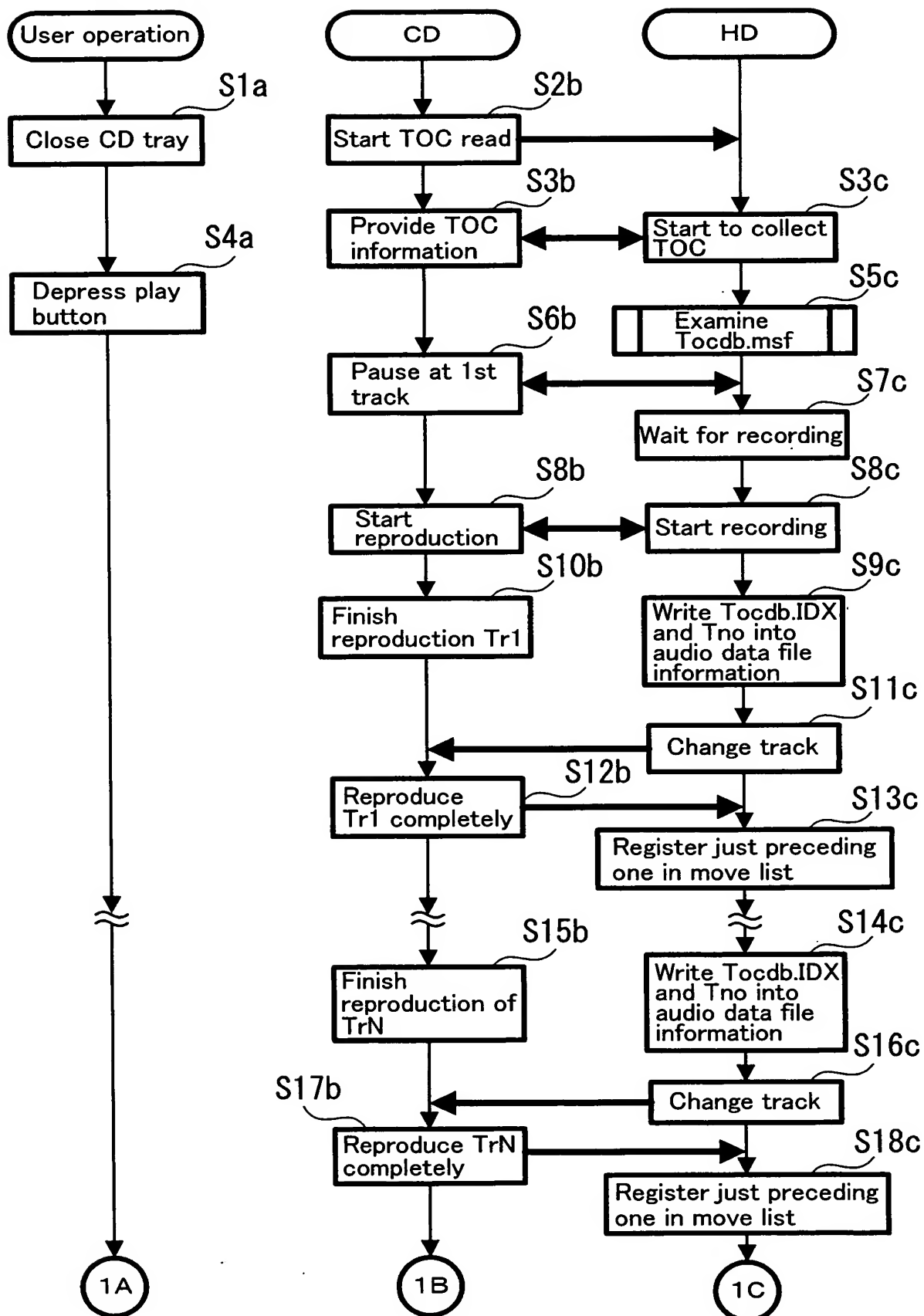


FIG. 29

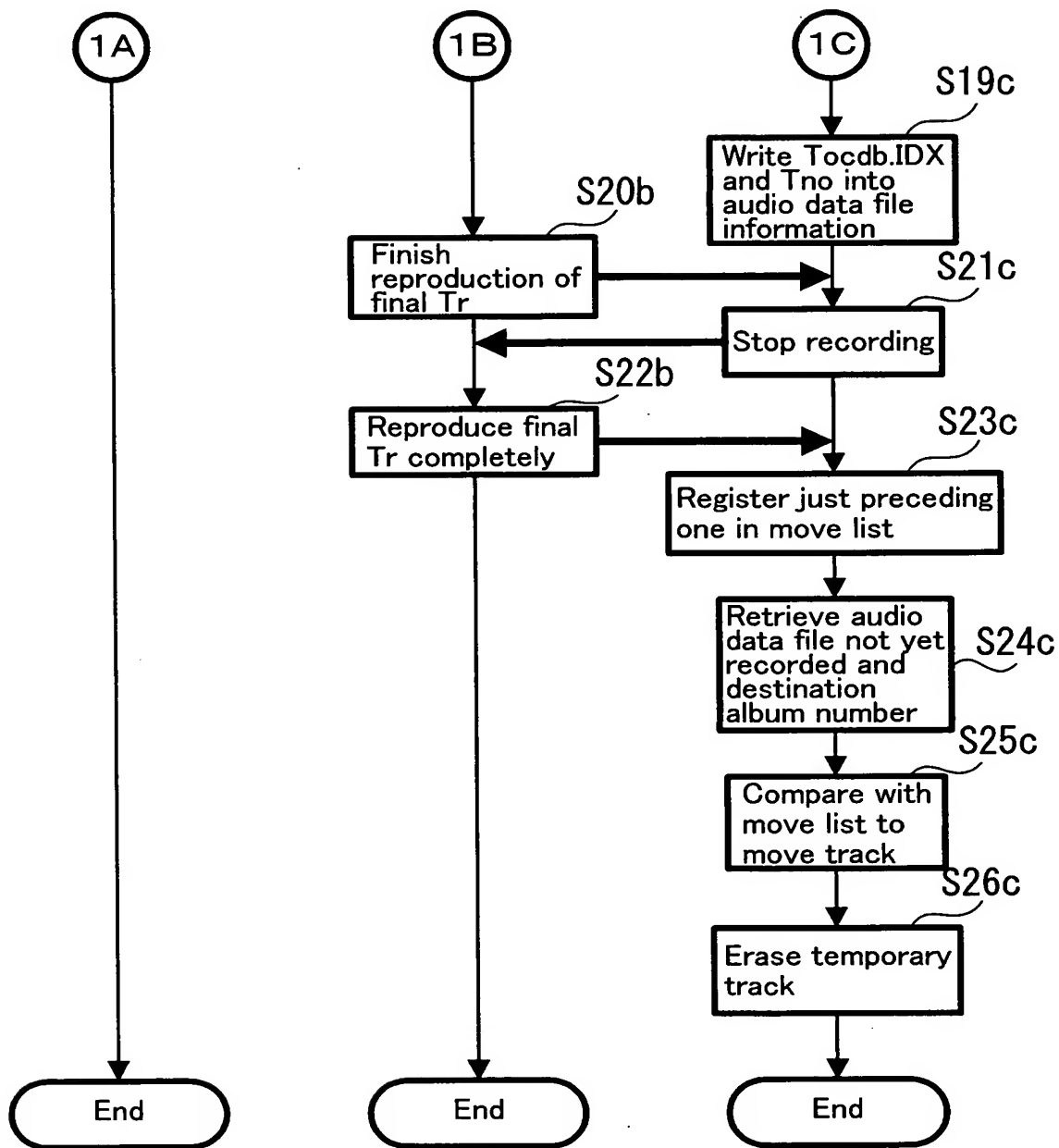
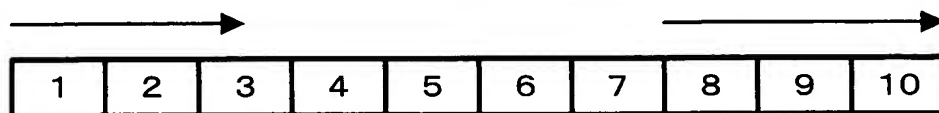


FIG. 30



291 Forwards Audio Data File 292 Resume Reproduction

FIG. 31

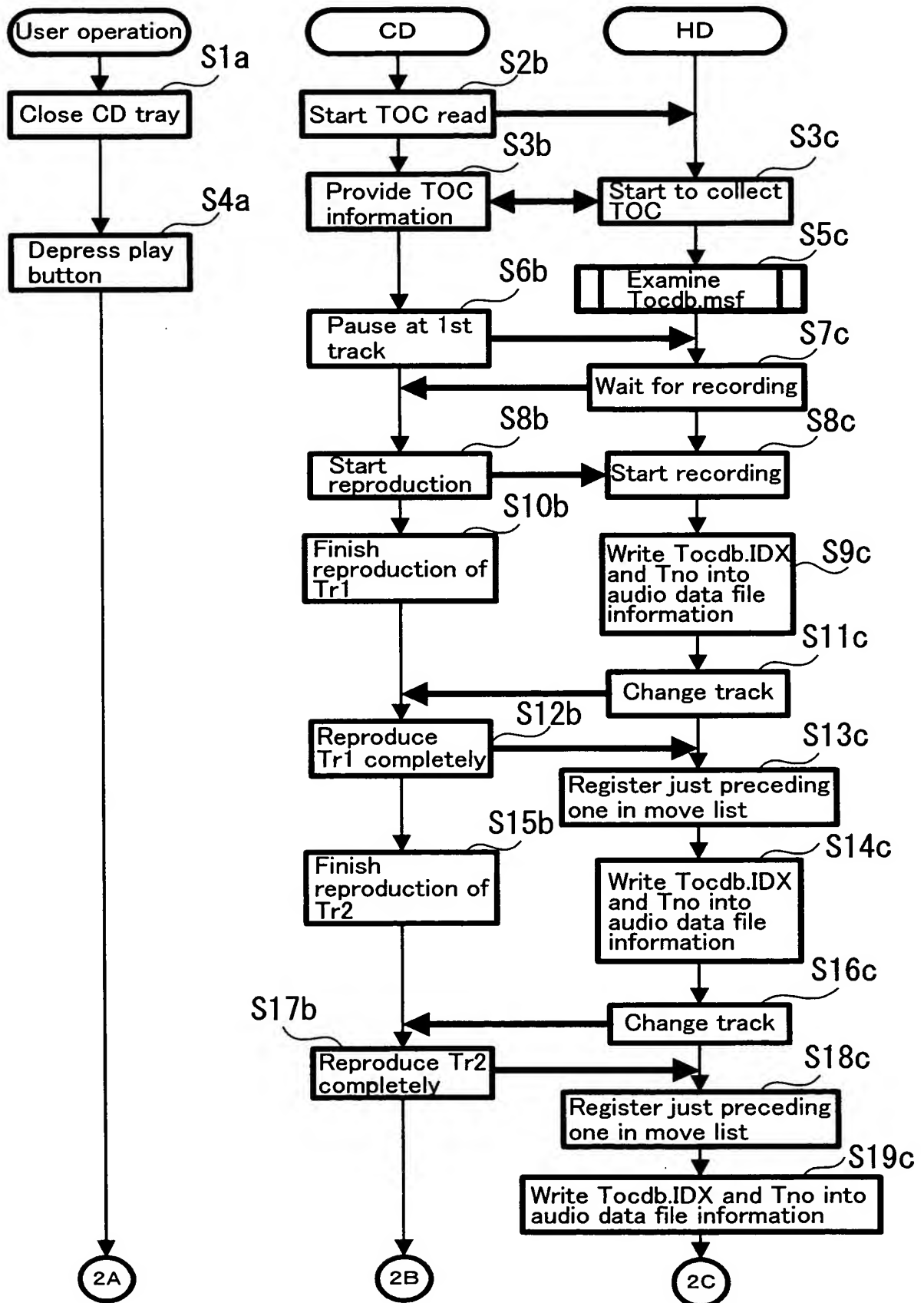


FIG. 32

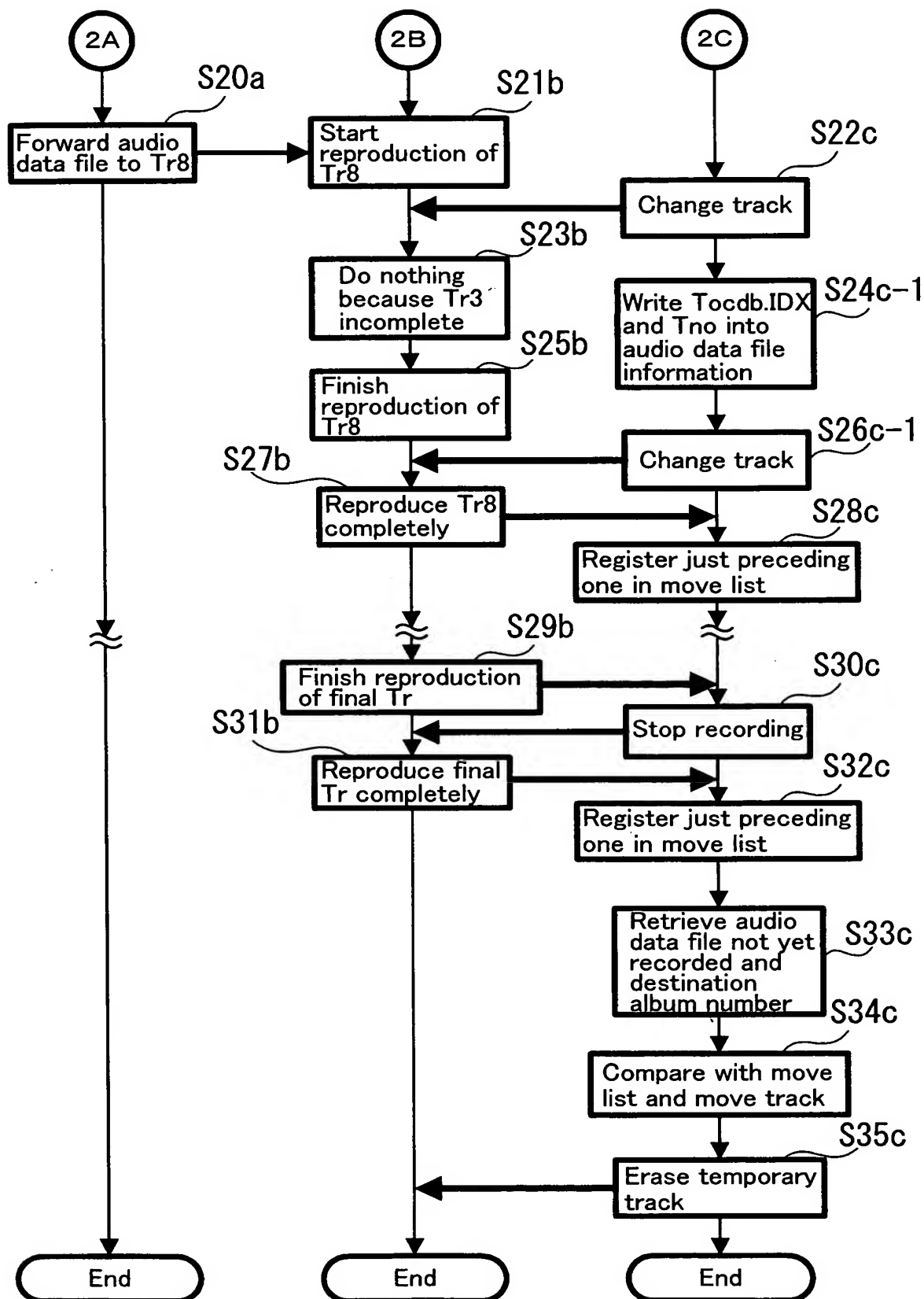


FIG. 33

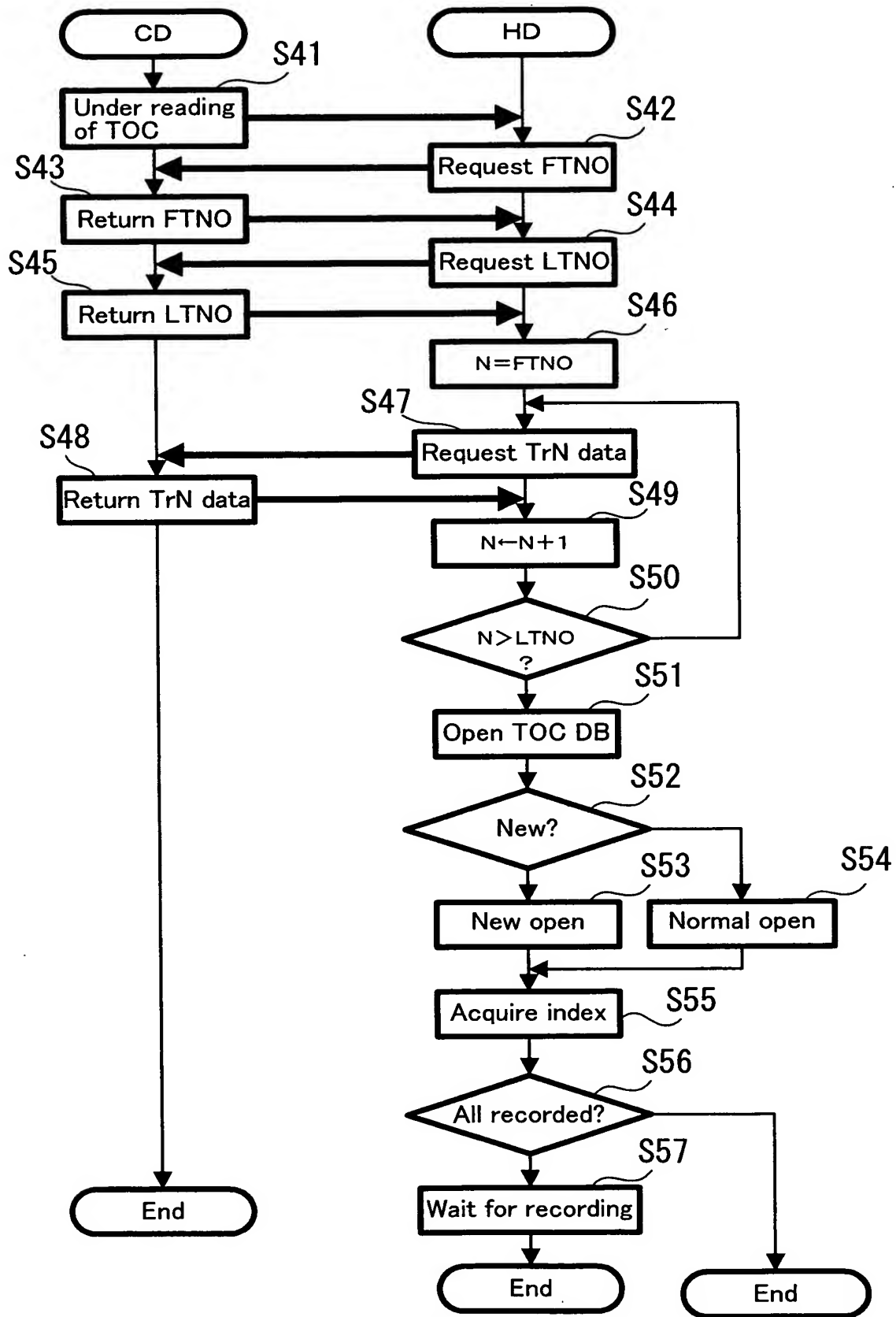


FIG. 34

321 PTNO	322 TNO	323 AMSEC	324 STS
1	1	T(1)	OK
2	2	T(2)	NG
3	6	T(3)	OK
4	7	T(4)	NG
5	8	T(5)	NG
6	3	T(6)	OK
7	4	T(7)	OK
8	5	T(8)	NG
9	10	T(9)	OK
10	11	T(10)	NG
11	16	T(11)	NG
12	16	T(12)	NG
13	15	T(13)	NG
14	4	T(14)	OK
15	5	T(15)	OK
16	9	T(16)	NG
17	12	T(17)	OK
18	13	T(18)	NG
19	1	T(19)	NG
20	3	T(20)	OK
21	4	T(21)	OK
22	5	T(22)	NG
23	9	T(23)	NG
24	7	T(24)	OK
25	8	T(25)	OK
26	9	T(26)	OK
27	10	T(27)	OK
28	11	T(28)	NG
29	13	T(29)	NG
30	14	T(30)	NG
31	15	T(31)	OK
32	16	T(32)	OK

FIG. 35

331 332

TNO	State
1	Recorded
2	Recorded
3	Not Recorded
4	Not Recorded
5	Recorded
6	Recorded
7	Not Recorded
8	Not Recorded
9	Not Recorded
10	Recorded
11	Recorded
12	Recorded
13	Not Recorded
14	Not Recorded
15	Not Recorded
16	Not Recorded

FIG. 36

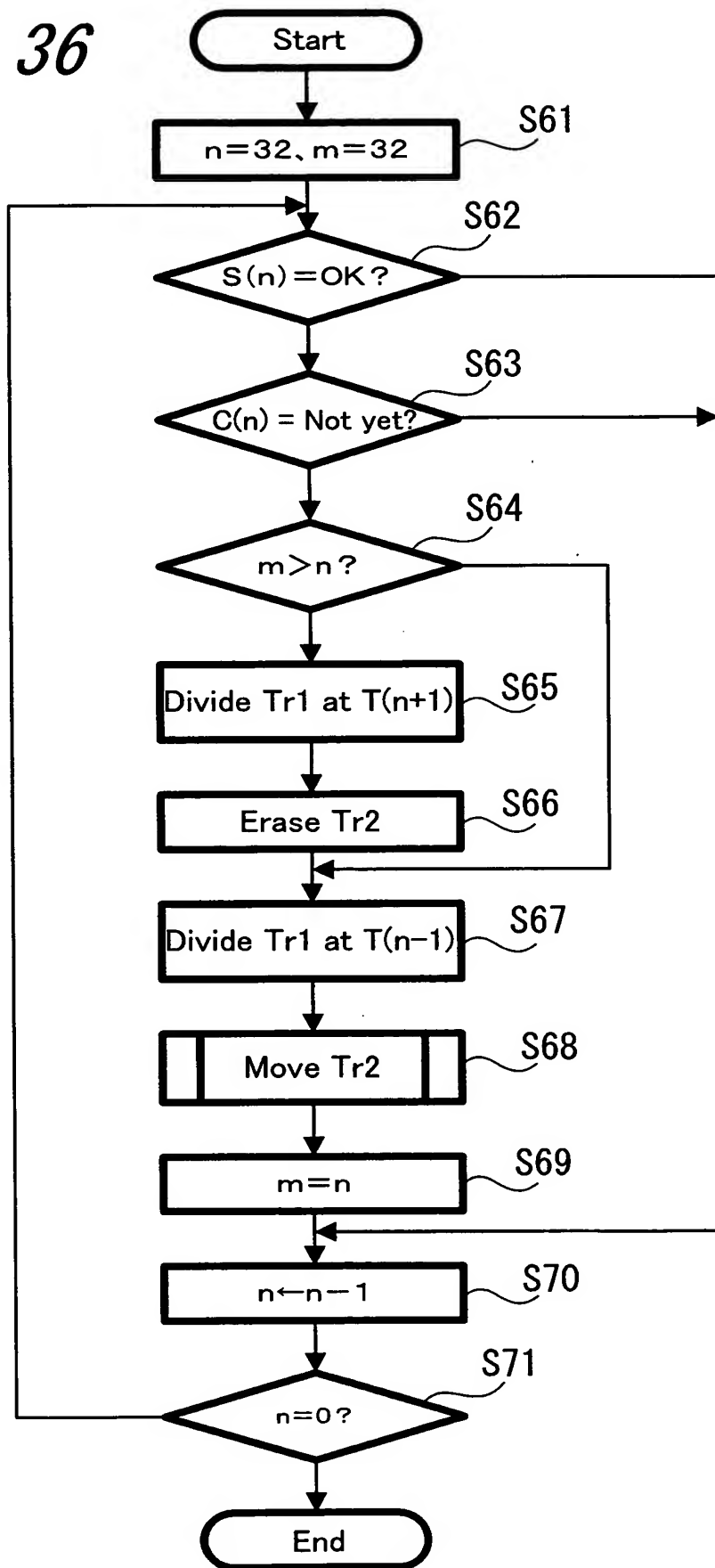


FIG. 37

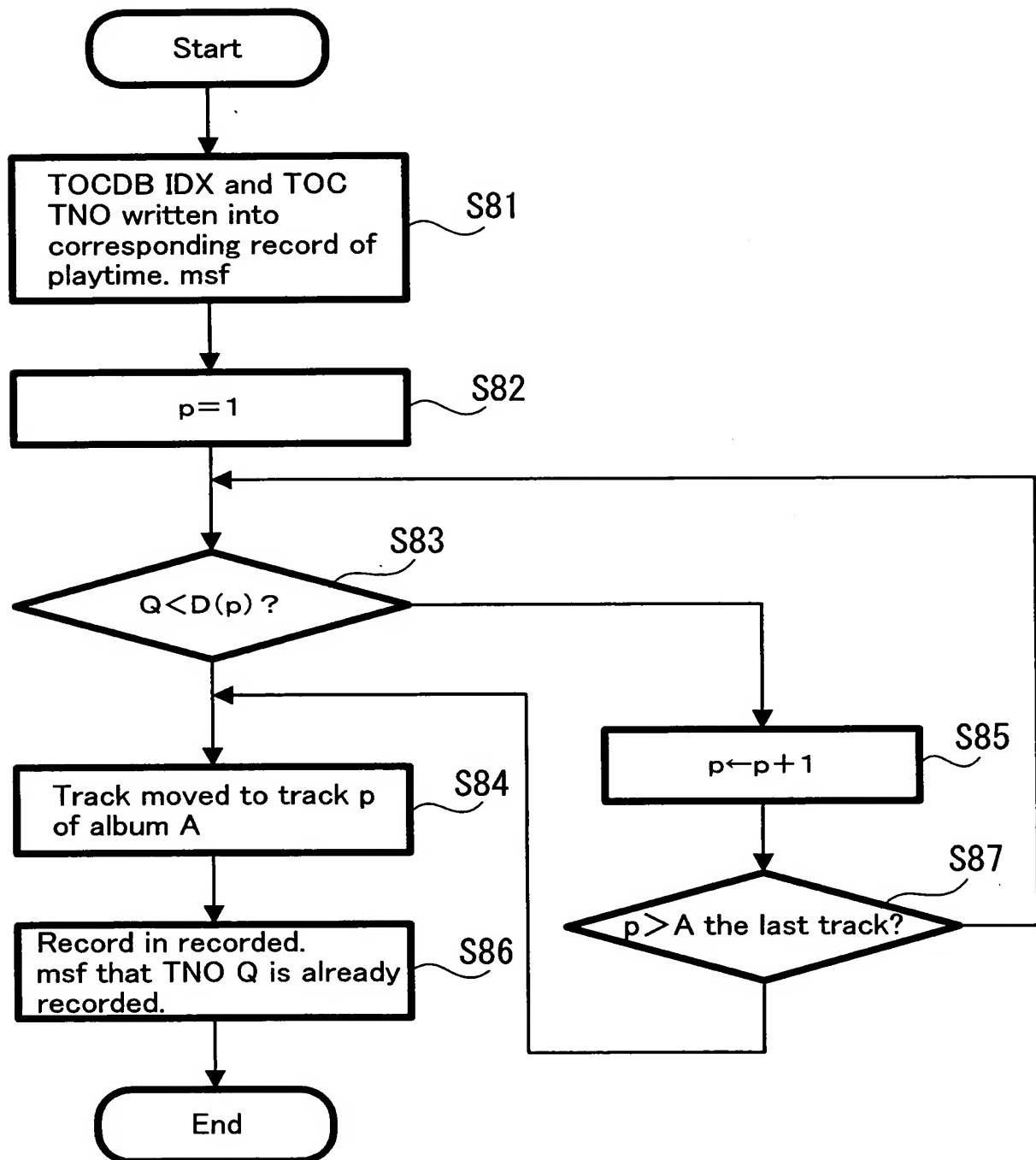


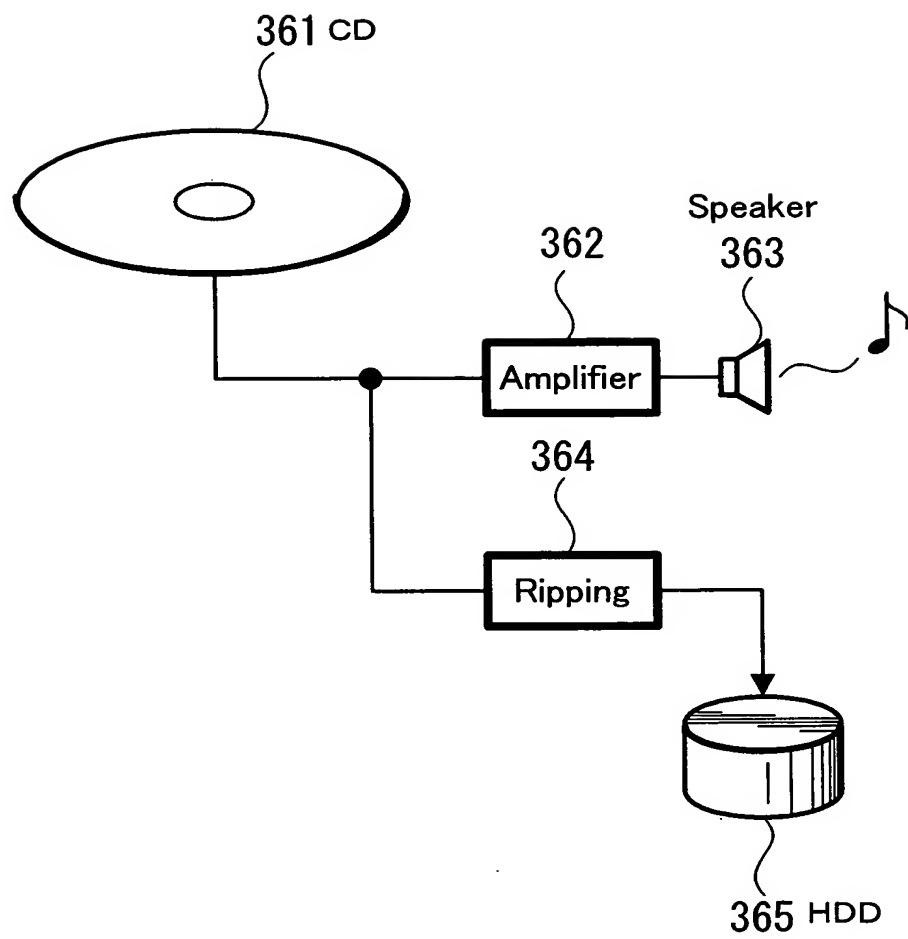
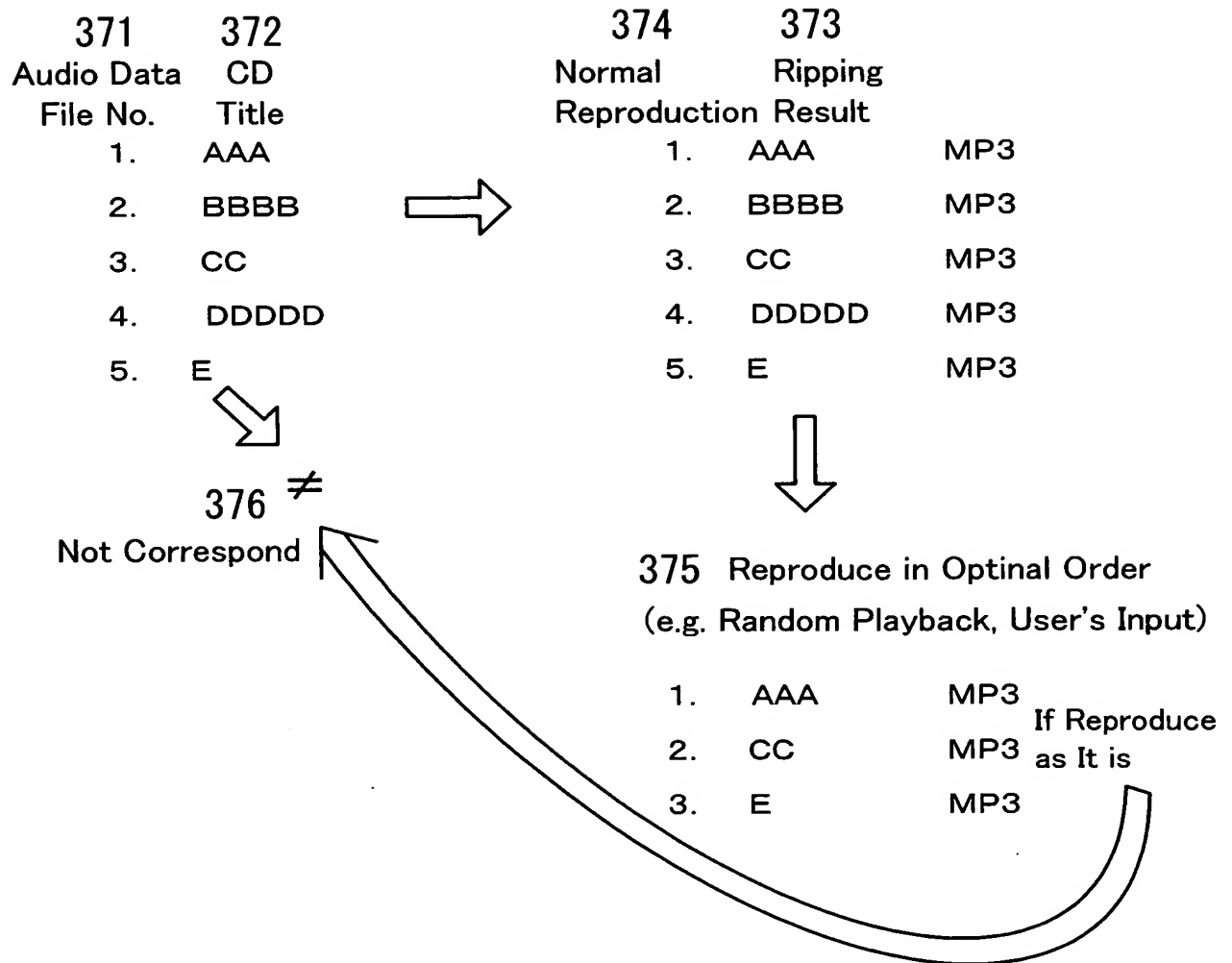
FIG. 38

FIG. 39



DESCRIPTION OF REFERENCE NUMERALS

- 1 ...CD
- 2 ...REPRODUCING MEANS
- 3 ...COMPLETE REPRODUCING DETECTION MEANS
- 4 ...END DETECTION MEANS
- 5 ...GENERATING MEANS
- 6 ...MOVE LIST
- 7 ...RECORDING AND REPRODUCING MEANS
- 8 ...RENEWAL MEANS
- 9 ...HDD
- 10 ...DIVIDER MEANS
- 11 ...PBLIST
- 12 ...AUDIO DATA
- 21 to 24 ...CD 001 to CD 004
- 25 ...REPRODUCTION ORDER OF AUDIO DATA FILE
- 26 ...MANAGEMENT DATA
- 27 ...MANAGEMENT FILE
- 28 ...AUDIO DATA
- 29 ...AUDIO FILE
- 30 ...MANAGEMENT NUMBER
- 31 ...CD'S AUDIO DATA FILE NUMBER
- 32 ...REPRODUCTION RESULTS COMPLETE/INCOMPLETE
- 33 ...AUDIO FILE ON HDD
- 34 ...ORIGINAL AUDIO DATA FILE NUMBER OF CD

35 ...MOVE LIST
41 ...SYSTEM CONTROLLER
42 ...CD REPRODUCING UNIT
43 ...HD RECORDING AND REPRODUCING UNIT
44 ...AUDIO INPUT/OUTPUT SECTION
45 ...EXTERNAL CONTROL TERMINAL
51 ...CD
52 ...SPINDLE MOTOR
53 ...OPTICAL HEAD
54 ...SLED MECHANISM
55 ...SERVO CIRCUIT
56 ...RF AMPLIFIER
57 ...DECODER
58 ...CD CONTROLLER
61 ...ONE FRAME
62 ...SYNCHRONIZING PATTERN
63 ...SUBCODING
64 ...DATA AND PARITY
65 ...SUBCODE DATA PQRSTUVW
71 ...SUBCODE Q DATA
72 ...CONTROL
73 ...ADDRESS
74 ...DATA
75 ...CRC

81 ...DIGITAL INTERFACE
82 ...ANALOG INTERFACE
83 ...COMPRESS/EXPAND
84 ...ENCODER/DECODER
85 ...COMMON RAM
86 ...HD CONTROLLER
87 ...SDRAM
88 ...FILR SYSTEM
89 ...HDD
91 ...ROOT DIRECTORY
92 ...DIRECTORY HiFi
93-1 ...Pblist. msf (ALBUM NUMBER MANAGEMENR FILE)
93-2 ...Playtime. msf (REPRODUCTION TIME MANAGEMENT DATABASE)
93-3 ...Namedb. msf (ALBUM/TRACK NAME DATABASE)
93-4 ...Tocdb. msf (CD TOC DATABASE)
93-5 ...Recorded. msf (DATABASE OF RECORDED AUDIO DATA FILE)
93-6 ...Album000
93-6-1 ...Pb000001. msf (ALBUM 1 MANAGEMENT FILE)
93-6-2 ...Pb000002. msf (ALBUM 2 MANAGEMENT FILE)
93-6-500 ...Pb0001f4. msf (ALBUM 500 MANAGEMENT FILE)
94-1 ...Album001
94-1-1 ...A3d00001. msa (AUDIO FILE)
94-2 ...Album002
94-100 ...Album100

95 ...Playlist

95-1 ...Pb0001f5. msf (PLAYLIST 1 MANAGEMENT FILE)

95-2 ...Pb0001f6. msf (PLAYLIST 2 MANAGEMENT FILE)

95-10 ...Pb0001fe. msf (PLAYLIST 10 MANAGEMENT FILE)

96 ...Temp

96-1 ...Pb0001ff. msf (AUTOMATIC RECORDING MANAGEMENT FILE)